

Claims

Listing of claims:

- 1 - 2. (cancelled)
3. (currently amended) An isolated nucleic acid molecule encoding a protein having mannosidase activity, wherein the protein comprises:
 - (a) an amino acid sequence comprising SEQ ID NO: 18;
 - (b) an amino acid sequence that differs from SEQ ID NO: 18 by one or more conservative amino acid substitutions; ~~and~~ or
 - (c) an amino acid sequence comprising at least ~~60%~~ 80% sequence identity to SEQ ID NO: 18.
4. (previously presented) A recombinant nucleic acid molecule, comprising a promoter sequence operably linked to the nucleic acid of claim 3.
5. (previously presented) A cell, transformed with the recombinant nucleic acid molecule of claim 4.
6. (previously presented) The transformed cell of claim 5, wherein the cell is an insect cell, a yeast cell, an algae cell, a bacterial cell, a mammalian cell, or a plant cell.
7. (previously presented) A transgenic fungus, comprising the recombinant nucleic acid of claim 4.
- 8 - 9. (cancelled)

10. (currently amended) A method for producing a macromolecule having an altered glycosylation pattern, comprising allowing the transformed cell of claim [4] 5 to produce the macromolecule.

11 - 23. (cancelled)

24. (previously presented) An isolated nucleic acid molecule, comprising at least 80% sequence identity to SEQ ID NO: 17.

25. (previously presented) The isolated nucleic acid molecule of claim 24, comprising at least 90% sequence identity to SEQ ID NO: 17.

26. (previously presented) The isolated nucleic acid molecule of claim 24, comprising at least 95% sequence identity to SEQ ID NO: 17.

27. (previously presented) The isolated nucleic acid molecule of claim 24, comprising SEQ ID NO: 17.

28. (cancelled)

29. (previously presented) The isolated nucleic acid molecule of claim 3, wherein the nucleic acid encodes a protein comprising at least 90% sequence identity to SEQ ID NO: 18.

30. (previously presented) The isolated nucleic acid molecule of claim 3, wherein the nucleic acid encodes a protein comprising SEQ ID NO: 18.